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DETACHMENT H

10 AUGUST 1970

STANDARD OPERATING PROCEDURES

H-45-11 THIS SUPERSEDES H-45-11 17 NOV 1969

MISSION GENERATION SCHEDULES

1. PURPOSE: To establish a generation schedule for all Materiel activities in the preparation of the U-2R for an operational, training, or PCF mission.
2. SCOPE: The provisions of this SOP apply to all Materiel Sections.
3. RESPONSIBILITY: The Maintenance, Avionics, and Special Equipment Supervisors will insure this SOP is complied with on all missions.
4. PROCEDURES:

a. Operational Missions:

(1) The alert notice will normally be received a minimum of 24 hours prior to take-off. Upon receipt of the alert notice, the Director of Materiel (and in his absence, the Chief of Maintenance) will notify all Materiel Section Chiefs of the mission. The mission information will include the aircraft number selected, the take-off time, equipment requirements, and fuel load. The aircraft selected will be determined by the Director of Materiel. Prior to the close of business on Fridays and on the day prior to a holiday, the Director of Materiel will inform Maintenance of the primary aircraft to be used on a mission in the event an alert is received during the weekend or a holiday.

(2) When available a back-up mission aircraft will be generated. It is understood that generally insufficient quantities of systems preclude the availability of a completely configured back-up aircraft. The intent is to have a replacement aircraft to which the major Sensors, i.e., system 17 and the "H" Configuration can be transferred to in minimum time in the event of encountered major mechanical difficulties during the mission generation. The time at which the back-up aircraft becomes primary will be determined by the Director of Materiel.

(3) The preparation of the primary mission aircraft will take precedence; subsequent to it's generation the back-up aircraft will be readied. Problems that would prevent preparedness of the primary aircraft in accordance with the generation schedules set forth in attachments I, II and III of this SOP will be brought to the attention of the Director of Materiel.

(4) The Director of Materiel will advise all Materiel Section Chiefs of changes in mission status such as delays, substitutions or cancellations.

H-45-11


(5) The Director of Materiel will coordinate all schedule changes with the Director of Operations.

(6) The initial preparation of the primary aircraft for an operational mission will be started immediately after receipt of the 24 hour alert notice. This preparation will be completed normally the day before the mission and will be accomplished in accordance with the mission generation schedule listed in attachment #1.

(7) The final preparation of the primary and back-up aircraft will be completed during the five hour period prior to take-off. This will be accomplished in accordance with the schedule listed in attachment #2 for a normal configuration type mission.

b. Training and FCF Missions:

(1) The schedule listed in attachment #3 will be used for the final preparation of the aircraft for training missions and functional check flights.


Detachment Commander

25X1A

SECRET

Page 2

S E C R E T

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H-45-11

GENERATION SCHEDULE FOR OPERATIONAL MISSION

(To be completed on the day before the mission)

SECTION	TASK	REQUIRED TIME (HOURS)	BEGIN	END
			(LOCAL TIME)	
1. Maintenance	Engine run, LOX service, Aircraft Pre-flight.	4:00	0800	1200
2. Avionics	Pre-flight/preparation of all systems (in shop).	4:00	0800	1200
3. "H" SHOP	Tracker pre-flight, load film.	2:00	0800	1000
4. "H" SHOP*	"H" Config pre-flight, load film, install mounts.	4:00	0800	1200
5. "I" SHOP*	"I" or "D" pre-flight, load film, install mounts.	4:00	0800	1200
6. Avionics	Install and check-out systems in aircraft, communication & Nav-Aid pre-flight.	2:00	1300	1500
7. "H" SHOP	Install Tracker & check-out.	0:30	1430	1500
8. "H" SHOP	Pre-flight Driftsight & Hand Control.	0:30	1430	1500
9. Auto-Pilot	Auto-Pilot pre-flight.	0:30	1430	1500

25X1A

NOTE: The begin & end times in the last two columns are only approximate times for a normal week day. If an alert is received on a weekend or a holiday, these times will normally be later due to the alert bus arriving [REDACTED] after 1200.

*Only one Config will be loaded, i.e., the one selected for the mission.

ATTACH #1

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SECRET

H-45-11

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GENERATION SCHEDULE FOR OPERATIONAL MISSION WITH SYS 17 & CONFIGURATION

(Covers the 4:40 hour period before take-off)

SECTION	TASK	HOURS REQUIRED	BEGIN (T.O. time minus)	END
1. Avionics	Final Comm/Nav Aids pre-flight and installation of Sys 13 destruct battery.	0:40	-4:40	-4:00
2. "H" Shop*	Load camera, ck operation, raise/lock hatch.	0:45	-3:45	-3:00
3. "H" Shop*	Functional ck of tracker camera	0:05	-3:45	-3:00
4. "I" Shop	Load camera, ck operation, raise/lock hatch.	0:45	-3:45	-3:00
5. Auto-Pilot	Final Auto-Pilot pre-flight.	0:15	-3:50	-3:35
6. Maintenance	Final aircraft pre-flight.	1:00	-3:35	-2:35
7. Maintenance	Extend wing tips.	0:20	-2:35	-2:15
8. Operations	Mission Briefing.	0:30	-2:30	-2:00
9. Maintenance	Tow aircraft to launch position.	0:15	-2:15	-2:00
10. POL/Maint	Fuel aircraft.	0:30	-2:00	-1:30
11. Maintenance	Final aircraft inspection.	0:15	-1:30	-1:15
12. Operations	Mobile control cockpit check.	0:10	-1:00	-0:50
13. PE	Load seatpack into cockpit.	0:10	-0:50	-0:40
14. Maintenance	Start drift sight purge.	0:35	-0:45	-0:10
15. PE	Load & hook-up pilot in cockpit.	0:10	-0:40	-0:30
16. Spec Equip*	Camera windows removed.	0:02	-0:15	-0:13
17. Pilot	Start engines.	-	-0:07	-
18. " "	Aircraft taxi for take-off	-	-0:03	-
19. " "	Take-off	-	-0:00	-

Only one config will be loaded,
i.e., the one selected for the
mission.

ATTACH #2

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SECRET

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 GENERATION SCHEDULE FOR A TRAINING OR FCF MISSION (HI or Low)

(Covers the 2:50 hour period before take-off)

SECTION	TASK	TIME REQUIRED (HOURS)	BEGIN (T.O. TIME	ENC MINUS)
1. Spec Equip*	Load camera, ck operation, raise/ lock hatch.	0:45	-2:50	-2:05
2. "H" Shop	Functional ck of tracker camera.	0:05	-2:50	-2:05
3. Maintenance	Final pre-flight items.	0:30	-2:20	-1:50
4. Maintenance	Extend wing tips.	0:15	-1:50	-1:35
5. Operations	Mission Briefing.	0:15	-2:00	-1:45
6. Maintenance	Tow aircraft to launch position.	0:10	-1:35	-1:25
7. POL/Maint	Fuel aircraft & install grd power.	0:30	-1:25	-0:55
8. Operations	Moble Control cockpit check.	0:10	-0:50	-0:40
9. Maintenance	Start driftsight purge.	0:35	-0:45	-0:10
10. PE	Load seatpack into cockpit.	0:10	-0:40	-0:30
11. PE	Load & hook-up pilot.	0:10	-0:30	-0:20
12. Spec Equip*	Camera windows removed.	0:02	-0:15	-0:13
13. PILOT	Start engines.	-	-0:07	-
14. " "	Aircraft taxi for take-off.	-	-0:03	-
15. " "	Take-off.	-	-0:00	-

* Delete if not applicable.

ATTACH #3

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